Opta Comms
Software Package

Operator's Manual
Manual 900-01: Issue 1

Crane Electronics Ltd

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OVERVIEW

Main features include:

Full Windows systems support

Designed to run under Windows 98, Windows NT 4, 2000, XP Professional and ME.

Supports Active Database Selection

Similar to PC Comms in that it's possible to create new databases, save the currently loaded database as another name and to open existing databases.

Jobs and Rounds upload and add

Similar to PC Comms in that it's possible to upload and add Jobs or Rounds, which have been created in the device, to the current database.
This function can only be used with devices of r100-1.00 or higher.

Edit Job and Round name

Job and Round names can be edited. (data has to be archived first)

Long name support

Job and Round names can be up to 30 characters in length.

Export to Microsoft Excel 7.0

Export directly to Excel with automatic invocation. Exported data appears pre-formatted within Excel. Selective export of individual or multiple Jobs and Rounds as well as selective data:

Current Data Set only
Selected data - date dependent
All Data Sets.
Graphical representation of results
Multiple trace upload data direct to Excel

ASCII Export

Export Jobs and Round data held within the Opta Comms database, to user named files in a tab-delimited ASCII format.

Export to SPC-Light

Export selected Jobs and Rounds data, held within the Opta Comms database, directly to the statistical process control analysis package SPC-Light. This requires the SPC-Light application version 4.02.0064 and higher, together with the installed SDD Server version 1.01.0043.

Fast, easy edit

Unique mouseover drop-down boxes help minimize laborious mouse button presses which makes the creation and edit of new Transducers, Jobs and Rounds much easier. Copy job facility available.

Simple Communications

Upload and download individual and multiple Jobs and Rounds together with associated data.

Delete selected Jobs and Rounds in the device from the PC.

Test the communications link prior to upload/download.

Com port selection from 1 through to 15 to allow use of USB to serial adapter cables.

Data Enabled

Similar to PC Comms to restrict multiple downloads. Mark a Job or Round as Data Enabled and restrict the downloads to a single device.

Create protected Jobs and Rounds with the Data Enabled feature.

Jobs and Rounds not marked as Data Enabled can be downloaded to multiple devices but collected data cannot be uploaded.

Flexible View data

View selective data in individual or multiple Job Subgroups.

Selectable print formats

Choose from a variety of printout formats:

Include all data, selected data only, Job details only, include statistics, etc.

Comprehensive Help facilities

As well as the normal Contents/Index/Find help, Opta Comms has a ‘What’s This’ Help feature.

HOW TO USE THIS MANUAL

This manual is divided into 3 sections.

Section 1 Installing the software
Section 2 Connecting the hardware
Section 3 Running Opta Comms

This manual is meant to be read in conjunction with the manual supplied with the TorqueStar Opta/DTT Opta/TMAC Opta/JRS Opta. This manual briefly covers all the functions provided by the Opta Comms software. For additional assistance, the user can take advantage of the on-screen help facility. See page 35. The Opta Comms program is a Windows-based program and this manual assumes the user is familiar with operating a PC with a Microsoft Windows Operating system. All standard Windows functions such as Save, Print etc. will be operated through windows.

The minimum spec for a PC to run Opta Comms would be:
Pentium Processor
56 Mb RAM
50 Mb HD space

PACKING LIST

The following items are supplied with the Opta Comms software package.

1x CD ROM 1x User Manual

INSTALLING THE SOFTWARE

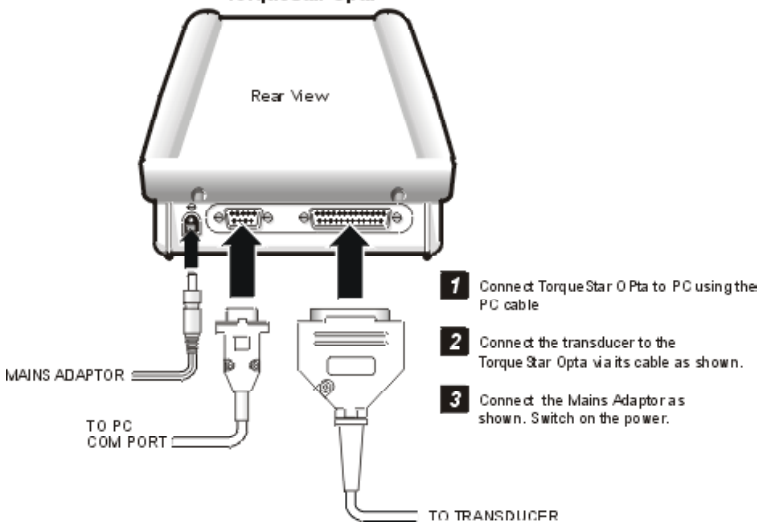
Opta Comms is designed to be installed on a stand-alone PC as data is stored locally on the C Drive. It is possible for this PC to be part of a network but we do not recommend operating Opta Comms over a network.

Installation details are included on the Opta Comms CD as a pdf file, or see installation guide Man 900-02.

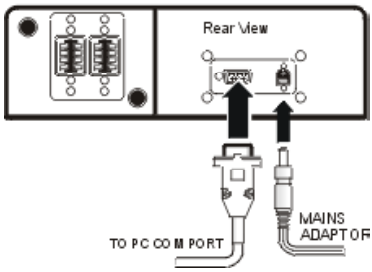
CONNECTING THE HARDWARE

Below shows the connections for the various Opta family of devices which can be used with Opta Comms.

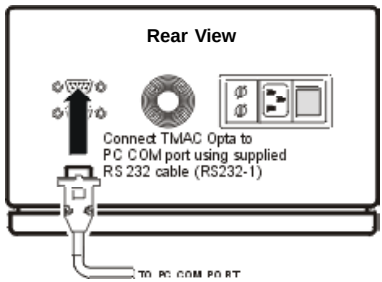
TorqueStar Opta


Rear View
MAINS ADAPTOR
TO PC
COM PORT
TO TRANSDUCER
1 Connect TorqueStar OPta to PC using the PC cable
2 Connect the transducer to the Torque Star Opta via its cable as shown.
3 Connect the Mains Adaptor as shown. Switch on the power.

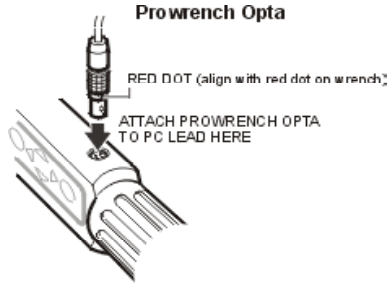
DTT Opta



TMAC Opta



Prowrench Opta

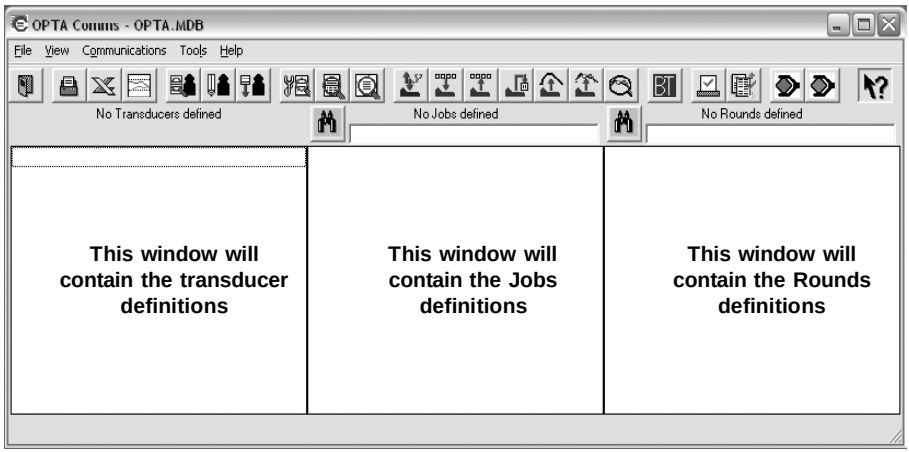


RUNNING OPTA COMMS

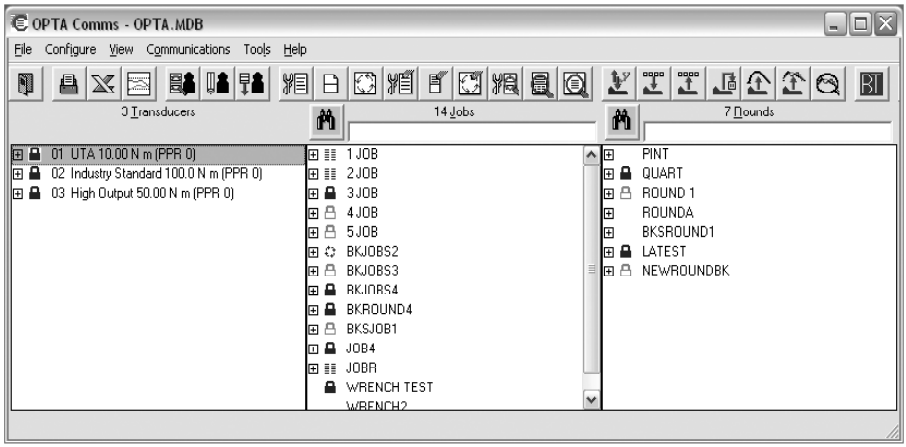
To run Opta Comms, double click on the shortcut Icon

The following screen appears:
NOTE: When using Opta Comms for the first time, you will be prompted to enter a password.
The default password is *CRANE*, but once entered, you can change this by selecting Tools from the Menu Bar, and then Change Password (password must have minimum of 5 characters).

NOTE: Moving the mouse pointer to a button on the toolbar will reveal its description.


OPTA Comms - OPTA.MDB
File View Communications Tools Help
No Transducers defined
No Jobs defined
No Rounds defined
This window will contain the transducer definitions
This window will contain the Jobs definitions
This window will contain the Rounds definitions

Picture below shows changed menu items with a supervisor or administrator logged in.



TOOLBAR BUTTONS

Below is a list of the buttons found on the *Opta* Comms Toolbar. These functions are also found in the drop down menus above the Toolbar. (See page 10).

A B C D E F G H I J

K L M N O P Q R

S T U V W

A	Exit
B	Print
C	Export to Excel
D	Export to SPC-light
E	View User ID Table
F	Configure User ID Table
G	Configure User List
H	View Transducer
I	View Job & Data
J	View Round
K	Test Link
L	Download
M	Upload
N	Delete from the device
O	Upload Trace data
P	Upload multiple Traces
Q	View multiple Traces
R	Bluetooth search
S	Auto print capture
T	Reading count
U	Start Calibration check
V	Finish Calibration check
W	What's This Help

Additional Buttons

The following buttons become available on the toolbar when a supervisor or administrator is logged in.

1 2 3 4 5 6 7 8 9

1	Add Transducer
2	Add Job
3	Add Round
4	Configure Transducer
5	Configure Job
6	Configure Round

MENUS

Below is a list of the menus found in the Opta Comms program. Many of these functions are repeated in buttons on the toolbar (See page 9).

FILE

Create new database
Open existing database
Save current database as...
Delete Data
Delete Records
Archive/Export/View
Start Calibration check *(option)*
Print (Ctrl + P)
Print Setup
Select Fonts
Export to Excel (Ctrl + E)
Export to SPC-Light (Ctrl + T)
Export to ASCII (Ctrl + I)
Export to Data Sheet...
Recently accessed database files
Exit (Ctrl + X)

CONFIGURE

Transducers #
Jobs #
Rounds #
User ID Table *
User ID list *

VIEW

Transducer... (Ctrl + N)
Job & Data... (Ctrl + H)
Round... (Ctrl + O)
View Multiple Traces
User ID Table

COMMUNICATIONS

Test Link
Download (Ctrl + D)
Upload (Ctrl + U)
Delete from the device
Upload Trace Data *(option)*
Upload Multiple Traces
Search for Bluetooth Devices

TOOLS

Options... (F2)
Enter Supervisor Password
Change Supervisor Password #
Enter Administrator Password
Change Administrator Password *
Compact Database
Repair Database
Remove Padlocks #
Attach Padlocks #
Rebuild Lists
Device Reset #
Set Database to be Exclusive #
Customize #
Details
Torque Converter
Preferences
Edit Calendar #

HELP

Contents (F1)
What's This Help
About...

\# Available only when logged in as Supervisor or Administrator
* Available only when logged in as Administrator

GETTING STARTED

Opta Comms has an inbuilt demo facility, valid for 30 days from installation, giving access to additional features.

Opta Comms has been designed to minimise mouse button presses. This is achieved by utilising the *mouseover* event, which triggers a drop down list box displaying all associated selections without the need to click and scroll. Subsequently moving the mouse pointer over any other box or toolbar button will collapse or close the drop down list box.

There are two kinds of boxes on the configure forms:

Edit boxes, which require keyboard input.

Selection boxes, which require a selection or choice from a drop down list.

At least one Transducer must have been created in order to create Jobs. At least 2 Jobs must have been created in order to create Rounds.

When Opta Comms is first installed the database is empty. However, because each Job must be allocated a Transducer, it follows that the first thing to be done is to create a Transducer.

Opta Comms will disable and 'Grey out' any toolbar buttons which are not applicable. For example, the first time through there are no Transducers so neither Jobs nor Rounds can be created and their buttons will be disabled..

See Contents Help on Transducers.

The Transducer selected determines which edit boxes are to be displayed on the Configure Transducer and Configure Job forms. In other words, if a UTA Transducer is selected only the boxes associated with a UTA Transducer will be shown.

On all configure forms, when the focus or mouse pointer is over an edit box, an adjacent label is displayed which shows an input range, for that box. If the values entered are outside the range shown when the mouse pointer is moved away to another edit box, then the edited box will change to red, indicating an error, and the Save button will be disabled. An enabled Save button is indication that all entered values have been accepted.

The range label will disappear when the mouse pointer is moved away to another edit box. Entered values are not tested for validity until the focus has been moved to another edit box or toolbar button.

Basically, Save is not enabled until all entered values are valid and within range.

Further assistance has been included on some forms which indicate the actual error and it's possible corrective action. This can be seen, for example on the 'Configure Job' form. If a text box has invalid data entered a label to the right of the box will show 'Range error'. If the mouse pointer is held over this 'Range error' label a status bar is shown at the bottom of the form indicating what corrective action to take.

A similar action occurs for list selection boxes, only the label is 'Selection error'.

Each Transducer, Job and Round together with uploaded data are stored in a single database in the Opta Comms folder.

The database is updated by clicking on the Save button for each edit.

Uploaded data is committed to the database immediately upon retrieval.

Running *Opta* Comms very first time:

The first time that Opta Comms is run, the database is empty. Because very little can be achieved without any Jobs, it is necessary to create one. Before you can do that you must enter either the Supervisor or the Administrator password from the Tools Menu. These passwords can be changed to the user's choice for security.

The Default password for the Supervisor is 'CRANE'

The Default password for the Administrator is 'CRANEADMIN'

Create a Transducer

Now add a Job

Obtaining Help

In this Help system, you will find explanations of the many features in Opta Comms, as well as step by step instructions to guide you through the programme's basic functionality.

To access the Contents Help screen you must be displaying the Main form. Press F1 or click on the Main menu item Help then Contents.

Click on to obtain *What's this Help* if you require help on a particular screen item.

Some of the message boxes use the Windows 95 'What's this Help'. This works in a slightly different way and turns off each time an item is queried.

NOTE: the *What's this Help* function must be turned off before you can exit the program.

LOGGING IN

Without logging in, a user only has access to basic functions. Transducers, Jobs , Rounds, User ID tables and lists etc, can be viewed but not amended.

Logging in as a **Supervisor** gives access to the Configure Menu and the ability to amend Transducers, Jobs , Rounds etc. The supervisor can change the supervisor password.

An **Administrator** has full access to all the functions plus the ability to change the Administrator password and amend the User ID list etc.

Basic Operating Instructions (quick start guide)

To add or change anything, first log on as a Supervisor or an Administrator.

The following infirmation shows the basic operations for using Opta Comms in conjunction with the TorqueStar Opta. More detailed instructions covering all the Menu/Icon functions are covered in the following pages.

Create a new database - see page 14

Add Transducers to the database - see page 17

Add a Job - See page 20
This is a series of readings to be taken using the allocated transducer.

Add a Round - see page 21
A Round is a collection of Jobs which are all of the same type - i.e. made up of Data Enabled or Non-Data Enabled Jobs, but **not** a combination of the two

Download a Job or Round to the Opta - see page 31

Use the Opta to complete the rundowns for the Jobs/Rounds.

Upload the completed Jobs and Rounds back to Opta Comms - page 31

Perform actions on the data - Calculate statistics (see Communications page 31), View statistics, view graphs, print the data or export the data to Excel or SPC-Light (if installed).

Archive the data (transducer properties, Jobs or Rounds) - see page 14

File

Create a new database

Start a new empty database and make it current.
From the **File** menu, select **Create a new database**. Type in the required name of the database and Select **OK**. To abandon the operation, click on **Cancel**.
Note: If a database of the same name already exists you will be prompted for another name.

Open an existing database

Change the current database for another one.
From the **File** menu, select **Open an existing database**. From the list shown double click on the required database or highlight it and click on **OK**. To abandon the operation click on **Cancel.**

Save current database as..

Make a copy of the currently loaded database and make it current..
From the **File** menu, select **Save current database as...**
Type in the desired name of the database then click on **OK**. To abandon the operation click on **Cancel.**

If a database of the same name already exists you are informed and prompted for another name.
The name of the currently loaded database is shown in the title bar at the top of the main screen.

Archive

This function allows the archiving of transducers, jobs or rounds to a MDB database file. The user has the option to archive current datasets only, datasets from a specified date, all datasets or the database only.

To archive jobs

Highlight the job or jobs to be archived in the jobs column of the main screen. From the **File** menu, select **Archive**. From the Archive screen the prompt shows *'Archive the*

selected jobs'. Check the radio button for the option required and input the date from the pop up calendar (if applicable), or tick the Archive database only box.
Select **OK** to archive or **Cancel** to abort.

To archive rounds

Highlight the round or rounds to be archived in the rounds column of the main screen. From the **File** menu, select **Archive**. From the Archive screen the prompt shows *'Archive the selected rounds'*. Check the radio button for the option required and input the date from the pop up calendar (if applicable), or tick the Archive database only box. Select **OK** to archive or **Cancel** to abort.

ArchiveExport/View

This function allows the viewing of archived data and export to Excel or SPC-light.

To view the data, from the **File** menu, select **Archive Export/View**. The screen shows the jobs or rounds which have been archived.

Start Calibration check

This function enables the selection of Jobs for download to the TorqueStar Opta which have a calibration frequency attached to them. Jobs or Rounds can be selected by date.

Print

Provides comprehensive printouts of Jobs and Rounds together with associated data. Prints using the default Windows printer and printer settings.

The following selected data can be included on any printout:

Transducer details
Round details.
Job details only.
Don't include data.
Include selected subgroup(s) only.
Include all data sets.
Include statistical calculations.

Configuring the printer and font selection can be done from the **File** menu on the 'Main screen'. These are the familiar standard Windows dialog boxes.

Print from the File menu shows a Print dialog box prior to sending the data to the printer.
Print Setup from the File menu shows a Print Setup dialog box.
Select Fonts from the File menu shows a Fonts dialog box.

Print setup

Printer settings can be changed depending on the printer(s) installed on the PC.

Select fonts

Allows different fonts to be selected from list for printing. The list will be dependent on the fonts installed in your system.

Exit

Close down the Opta Comms program.

Configure

About Transducers

The literal definition of a Transducer is a tool which receives energy in one form and converts it to another form. However, the meaning of a Transducer as far as we are concerned is any tool which converts Torque into an electrical signal. This signal can be either analogue or digital.

The TorqueStar Opta can operate with a great number of different Transducers. It is necessary therefore, to be able to specify exactly which kind of Transducer is to be used as part of the Job which is to be downloaded to the device.

Any number of Jobs can use the same Transducer.

Once a Transducer is used by a Job the Transducer cannot be edited or deleted. It is also locked, denoted by a padlock symbol . Editing or deleting can only be carried out by a Supervisor or an Administrator.

The only way to unlock or remove the padlock is to ensure that it is not used by any Job.

To see which Jobs use a particular Transducer click on the adjacent symbol .

Each time a Transducer is added it is allocated the next available number. There is no way of re-ordering the sequence.

The number at the top of the list box on the Main screen is the total number of created Transducers.

Opta devices can hold a maximum of 240 Transducers.

To Add a Transducer (Supervisor or Administrator function)

Note: Transducers can only be added in Supervisor or Administrator mode.

If no transducers are present, they must be added to the list.

To add a new transducer, enter the Configure transducer screen - click on the Icon or select **configure**, **Transducers**, **add Transducer** from the main screen menu.
Fill in the required information (type of transducer, units of measure) from the drop down lists and type in the span (from the range indicated), and pulses per revolution figures in the boxes provided. When the information is correct, click on the save icon to save the transducer data. The program will not allow data to be entered which is incorrect.
Click the button to abandon the Transducer at any time. If a transducer being used

has the facility for angle measurement this must be entered, even if angle is not being used, otherwise the transducer will not be recognised.

The transducer is now shown in the left hand Transducers column of the lower part of the main program screen.

Repeat the process for additional transducers. Note: Each time the Add transducer screen is entered, the data shown is for the last saved transducer. Edit as required.

To Configure a Transducer (Supervisor or Administrator function)

Note: A Transducer which is shown with a **Padlock** is **In Use** and cannot be edited.
Selecting the Configure transducer icon enables the highlighted transducer to be edited (or select **Configure, Transducer, Configure Transducer** from the main screen menu).
Highlight the transducer to be edited in the Transducers column by moving the cursor over it and left-clicking the mouse, and then select the configure transducer Icon. Modify the data as described in Adding Transducers and save as before.
Click the button to SAVE when done .
Click the button to abandon changes at any time.

To Delete a Transducer (Supervisor or Administrator function)

Highlight the transducer to be deleted in the bottom left column by moving the cursor over it and left-clicking the mouse, and then select **Transducer, Delete transducer** from the **Configure** menu. Click on **Yes** to delete the selected transducer or **No** to abort.

To Delete multiple Transducers (Supervisor or Administrator function)

Note : Transducers that are shown with a **Padlock** are **In Use** and cannot be deleted.

First select multiple items in the transducer list (use the shift key.
From the Main screen menu click on **File**, **Delete records**

Check the box to be prompted for confirmation of each record in turn.
Uncheck the box if you do not want to be prompted for each record. The operation will

be carried out on all selected records without further confirmation.

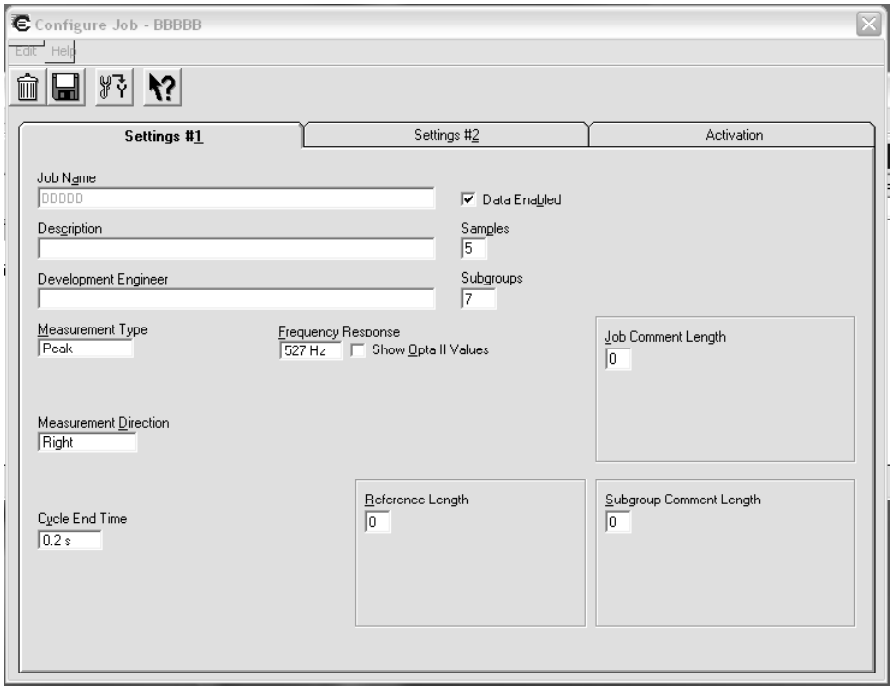
Note: It is not possible to delete multiple transducers using the **Delete Transducer** function (Configure/Transducers/Delete Transducer). Only the last transducer in the list is deleted.

To Add a Job (Supervisor or Administrator function)

If no jobs are present, they must be added to the list.

To add a new job, click on the icon or select ***configure, Jobs, add job*** from the main screen menu.

When prompted, type the name for the job (The name must be less than 30 characters). Only 30 characters per job name. The Configure jobs screen appears.



Type in the required information (job description, number of samples and subgroups, job comment length etc.) in the relevant boxes for the Settings #1 screen and select the Measurement type etc. from the drop down selections.

Move on to Screen #2 by selecting the tab at the top of the column and clicking. Input all the required parameters for this screen.

Move on to the Activation screen and input the calibration date and check the active box if required. When satisfied with all the settings, Click in the Save Icon to save the job information.

The job is now shown in the middle column of the lower part of the main program screen.

Repeat the process for additional jobs. Right clicking on a job will bring up the copy job function.

Note: Each time the Add jobs screen is entered, the data shown is for the last saved job. Edit as required.

To Configure a Job (Supervisor or Administrator function)

Selecting the Configure Job Icon enables the highlighted job to be edited.

Note: A Job can only be edited if there is NO data saved.

Highlight the job to be edited in the bottom left column by moving the cursor over it and left-clicking the mouse, and then select the configure job Icon. Modify the data as described in Adding Jobs and save as before.

To Delete a Job (Supervisor or Administrator function)

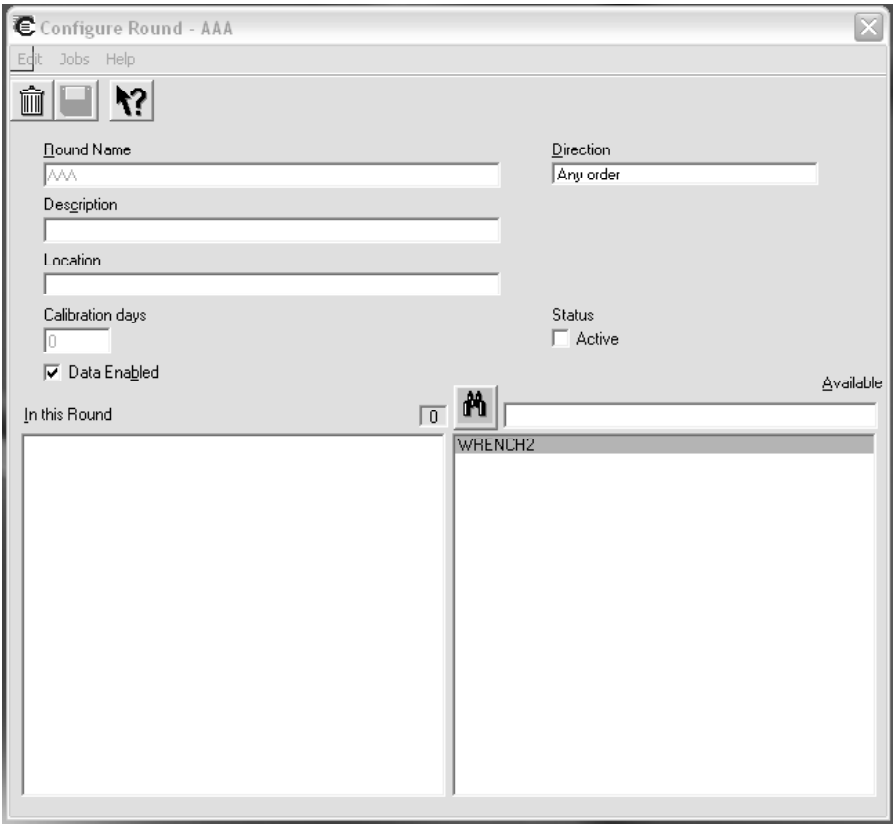
(Can also be carried out using the **File/Delete Records** function.)

Highlight the Job to be deleted in the bottom left column by moving the cursor over it and left-clicking the mouse, and then select **Jobs, Delete job** from the Configure menu. Click on **Yes** to delete the selected job or **No** to abort.

To Add a Round (Supervisor or Administrator function)

If no rounds are present, they must be added to the list.

To add a new round, click on the icon or select **Configure, Rounds add round** from the main screen menu.
When prompted, type the name for the round. The Configure Rounds screen appears.



Type in the required information (description, location, etc.) in the relevant boxes.
Move the required jobs shown in the lower right column into the left column by double-clicking. Any jobs moved by mistake can be returned to the right hand column by double-clicking. The order can also be changed by clicking and dragging into the required position within the left hand column.

The Round is now shown in the right hand column of the lower part of the main program screen.

Repeat the process for additional Rounds. **Note:** Each time the Add Rounds screen is entered, the remaining Jobs available for selection into rounds will be displayed. If no jobs are available create additional jobs to enter into the round as required.

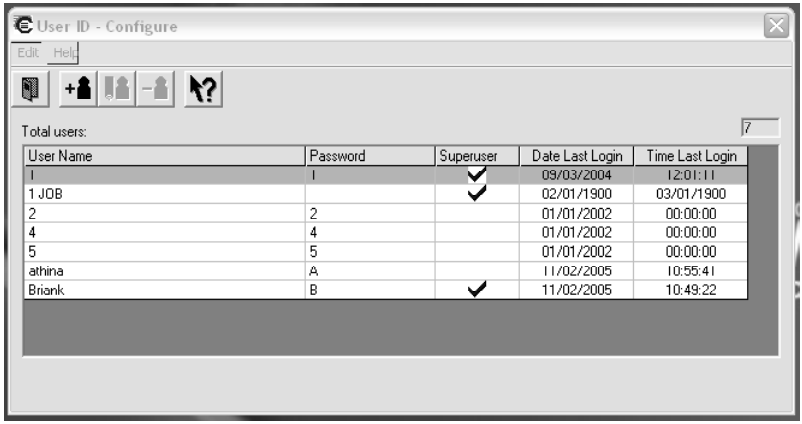
To Configure a Round

Selecting the **Configure Round** icon enables the highlighted round to be edited. Highlight the Round to be edited in the Rounds column by moving the cursor over it and left-clicking the mouse, and then select the **Configure round** icon . Modify the data as described in Adding rounds and save as before. **Note:** It is not possible to edit a Round to have zero Jobs in it.

To Delete a Round

Highlight the Round to be deleted in the bottom left column by moving the cursor over it and left-clicking the mouse, and then select **Rounds, Delete round** from the Configure menu. Click on **Yes** to delete the selected job or **No** to abort.

User ID table (Administrator level access only)



To add a new user, Select configure/User ID Table or select .

Note the first user to be entered should be Superuser which can only be deleted by the

Administrator. Tick the appropriate box to assign superuser status.

Select the add user Icon .

Enter the name and the password for the user and select the icon to save or to abort.

Users can be edited by using the icon or deleted by the Administrator using the icon.

User List (Administrator level access only)

Allows Opta users to be configured from the main user list.

About Users

User ID:

The Opta device requires a registered User to have logged in prior to any data collection taking place.

Any data collected is then stored against the logged in User.

Opta Comms keeps a database of User names and associated User Passwords, which is initially empty. As each Job/Round is uploaded the User ID database is automatically updated with any new User names.

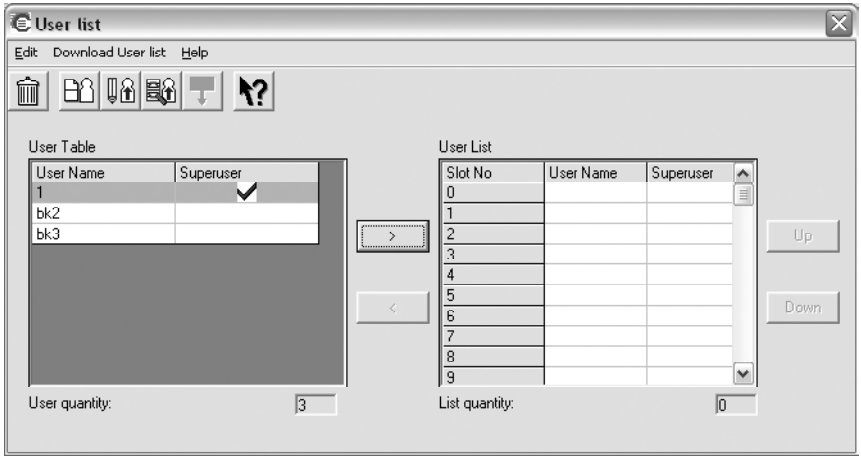
- Users can be Added, Edited or Deleted from the User ID table from within OPTA Comms.
- User passwords are encrypted for privacy prior to being stored in the User ID table in the database.
- Each User name must be unique

Note:

I. Jobs that contain data in Opta Comms must have any such data removed before the associated User ID can be edited or deleted.

II. User ID editing is Password protected by the Administrator password

User List:



A new User List can be configured and downloaded to the Opta device, which will override the current User List in the device.

Note:

I. Jobs that contain data in the Opta device must be uploaded before a new User List can be downloaded.

II. User List editing is Password protected by the Administrator password

How to Add a User

1 From the Main screen menu click
Configure
User ID Table

or

Click the button on the toolbar.

2 Click on the button

3 The Configure screen will be displayed.

4 Enter the Name, Password and Superuser status as required.

5 Click the button to SAVE when done.

6 Click the button to abandon changes at any time.

How to Configure a User

2 From the Main screen menu click on

Configure

User ID Table

or

Click the button on the toolbar.

2 Select a User to Edit and click on the button

If the user is associated with a Job that contains data, the buttons will be greyed out.

3 Modify the fields as required.

4 Click the button to SAVE when done.

5 Click the button to abandon changes at any time.

How to Delete a User

1 From the Main screen menu click on

Configure

User ID Table

or

Click the button on the toolbar

2 Click on the User name to be removed

3 Click on the button

The user will not be able to delete a User associated with a job that contains data.

4 Confirm the deletion

How to Configure User List

Create User List:

1 From the Main screen menu click on
Configure
User list

or

Click the button on the toolbar.

2 Click on a User name in the User Table

3 Click on the button to move the User to the User List, the User name will be removed from the User Table

4 Click on the button to transfer it back if moved in error

5 Continue to transfer Users as necessary

6 Use the 'Up' and 'Down' buttons to arrange order as required

Note

I. A Superuser must be at position 0 in the User List

II. No gaps are allowed between User names in the User List

Download User List:

Click the button on the toolbar.

OPTA Comms will communicate with the Opta device and attempt to download the current User List.
If the download is successful the User List will show the state of the current Opta device
If any Jobs in the Opta device contain data then a message will be shown and the download will be abandoned. The Opta Comms User list remains unchanged.

View OPTA User List:

Click the button.

Opta Comms will communicate with the Opta device and upload the current User List.

The list shown is viewable only.

Configure Opta user list:

Click the button.

Opta Comms will communicate with the OPTA device and upload the current User List. Assuming that there is no User Password conflict then the User List can now be edited

Create new User List:

Click the button.

The User List will be cleared ready for new additions.

View

View Transducer...

Double click on the Transducer to be viewed.

or

Click on the Transducer to be viewed and from the Main screen menu click on **View, Transducer**

or

Click the button on the toolbar.

View Job & Data...

Double click on the Job to be viewed.

or

Click on the Job to be viewed.

From the Main screen menu click on **View, Job & Data** or Ctrl+H

or

Click the button on the toolbar.

The View Job screen data tab is split horizontally into two halves. The upper half shows details concerning the Job and the lower half shows its associated data.

Toolbar buttons relate to the upper half of the display and allow you to step through and display all Jobs.

Toolbar buttons are only enabled when there is data associated with the Jobs shown. They allow you to step through and display all data sets associated with the Job.

Note

I. A message frame appears in the top right hand corner if the Data Set contains User Password Conflicts

II. If data Direction is mixed, i.e. direction contains Right and Left data, a message states this and Statistics are not shown

View Round...

Double click on the Round to be viewed.

or

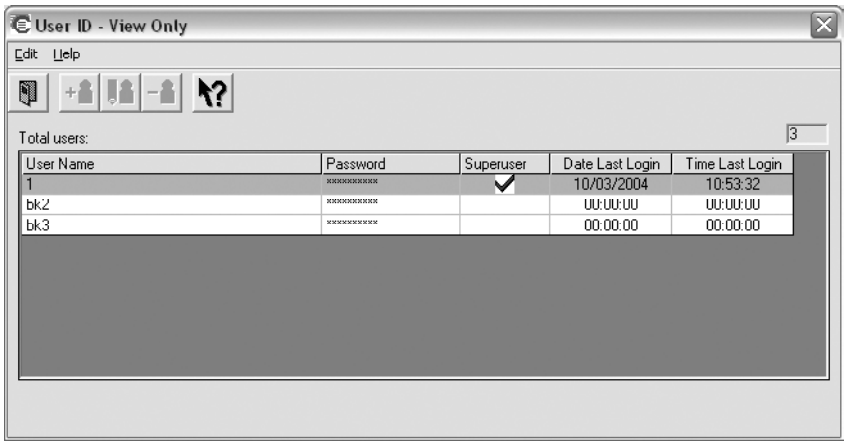
Click on the Round to be viewed and from the Main screen menu click on **View, Round**

or

Click the button on the toolbar.

User ID table

Displays a list of users and details of the dates and times of their last login. Passwords are not visible and the data is not editable from this screen.



Communications

Test Link

Use this function to test the connection between the Opta and the PC.
If no connection is available, the message *' No response from the device'* is displayed.
If the connection is established, the message *'Link working'* appears as well as the release and ID information and a list of enabled features. Which are shown when cursor is placed over the display box. Available features are shown with a tick in the check box.

NOTE: The Opta must be in Comms mode (see Opta manual) to establish the link.

Download

Jobs or Rounds can be downloaded to the Opta for processing.

To download a Job, highlight the required job (or jobs) in the jobs list (middle column of the lower half of the main screen), and select the **Download** icon. **Note:** a job can only be downloaded if it is not assigned to a round. The screen will prompt *'Download the selected jobs to the device'*. Select **Yes** to download or **No** to abort.

To download a Round, highlight the required round (or rounds) in the rounds list (right hand column of the lower half of the main screen), and select the **Download** icon.
The screen will prompt *' Download the selected rounds to the device'*. Select **Yes** to download or **No** to abort.

Once jobs or rounds have been downloaded to the Opta, they can be actioned by the Opta (see Opta manual), and then the resulting data returned to the Opta Comms program via the upload function.

Upload

After making sure the Opta is in Communications mode (see Opta manual), highlight an item in the jobs or the rounds column and select the upload icon or choose **Upload** from the Communications menu.
Any available Jobs (if an job was highlighted) or rounds (if a round was highlighted) will be listed. Check the boxes for the jobs or rounds to be uploaded and check the existing rounds/jobs delete box if required. Also check the box if existing rounds/jobs are to be added to the database if required, and select **OK** to upload or **Cancel** to abort.

Once a job containing data has been uploaded back to the PC, a data symbol appears next to the job in the centre column.

When a job or round containing data is highlighted, the **View job and data** icon or **View Round and data** icon is now active to enable the data to be viewed.

Delete from the device

This function allows Jobs or Rounds (depending on which column the active selection is in) to be deleted remotely from the Opta. Select from the list of items available for deletion and press **OK** to delete or **Cancel** to abort.

Upload Trace data

This function allows trace data to be uploaded from the Opta to the PC, where it is exported into Excel and displayed on screen.

First, make sure the Opta is in Comms mode - see Opta manual.
From the main screen, select **Configure, Upload Trace data**.
Screen will prompt *'Upload Trace data'*
Select **OK** to upload or **Cancel** to abort.
The trace data is then uploaded from the Opta and the automatically exported into Excel and the results displayed on the screen.

Tools

Options...

Use this function to select the Comm port to be used. Select Tools/Options.. (or press F2) to display the Tools screen. Choose between the available ports by making sure the appropriate radio button is checked and pressing **OK** to select or **Cancel** to abort. Unavailable ports are greyed out and cannot be selected.

Allow Job and Round renames - Check the box to allow renaming of Rounds and Jobs.

Enter Supervisor Password

Select Tools/Enter Supervisor Password. Enter the Supervisor password into the box which appears and press OK to enter or Cancel to abort. Default password is *crane*

Change Supervisor Password (only available when logged in as a Supervisor/Administrator)

Enables user to change the default password. Enter the new password (min. 5 chars) and repeat to confirm when prompted.

Enter Administrator Password

Select Tools/Enter Administrator Password. Enter the Administrator password into the box which appears and press OK to enter or Cancel to abort. Default password is *craneadmin*

Change Administrator Password (only available when logged in as an Administrator)

Enables user to change the default password. Enter the new password (min. 5 chars) and repeat to confirm when prompted.

Compact Database

Select Tools/Compact Database and select Yes to compact or No to abort.

Repair Database.

Select **Tools/Repair Database** and select **Yes** to repair or **No** to abort.

Rebuild Lists

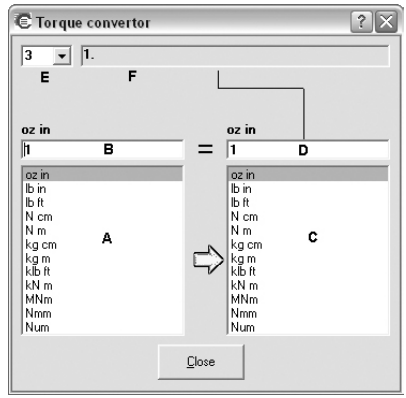
Select **Tools/Rebuild Lists**. Dialogue box shows *'Rebuild Lists? - this may take some time'* Select OK to rebuild or Cancel to abort.

Details

Select this option to show various details of the *Opta* Comms program including version number etc. Select **OK** to return to program.

Torque Converter

Use this option to display an on-screen torque measurement converter. Select Tools/Torque converter to reveal the screen. Highlight the unit of measurement on the left hand column **A** and key in the number above the column **B**. Highlight the target unit of measurement in the right hand column **C** and the conversion will appear above the column **D**. The box at the top right **E** is to determine the number of decimal points for displaying the result. Select the number of decimal places required from the drop down table (0 - 12) and the result is displayed in the top left column **F**. Select Close to return to program.



Preferences

This option allows the user to change the following:

Delete existing Jobs on upload (Default setting is ON)

Delete existing Rounds on upload (Default setting is ON)

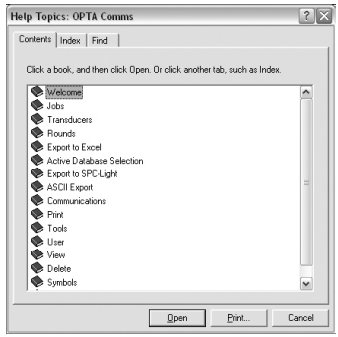
Archive database every time data is detached from Job/s

Select and tick or untick boxes as required and select **OK** to change preferences or **Cancel** to abort.

Help

Contents

Use this function to access Opta Comms extensive on screen help facility.
Select Help/Contents (or press F2) to reveal the help screen:



By selecting the appropriate tab, the user can choose between **Contents** (as shown), **Index** (all topics are listed alphabetically) or **Find** (where the user can search for a word or phrase within the help database). If the Find option is chosen, the user can choose between minimised database (recommended), maximised search capabilities or to customise the database.

What's This Help

Also accessed using the w Icon, this function generates pop-up descriptions for most features simply by moving the cursor over the object and clicking. **Note:** while this function is selected, normal operations (including Exit) are disabled. Click the w icon again to return to normal operations.

About

This option shows the release number etc. of the program, a drop down list of the available functions and the option to activate any additional functions not already installed by use of an unlock code available from Crane Electronics.